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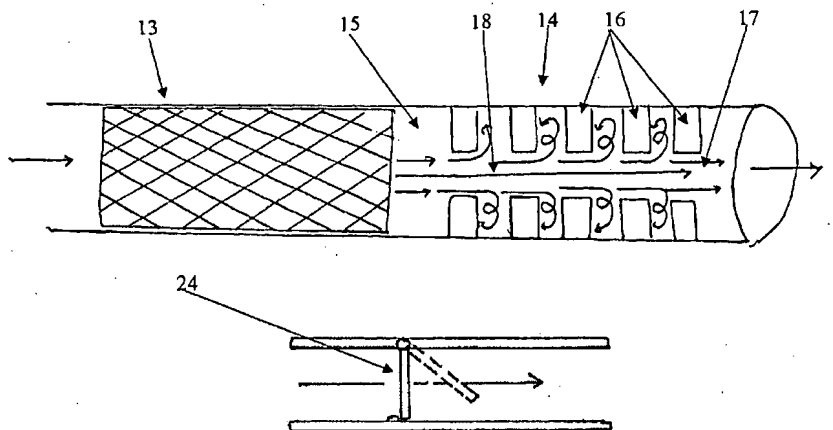
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(54) Title: **INLINE EXHAUST DEVICE TO IMPROVE EFFICIENCY OF A CATALYTIC CONVERTER**



(57) Abstract: A device (14), to improve the working of an inline catalytic converter (13), the device (14) affecting the flow of hot exhaust gases to improve the transfer of heat from the exhaust gases to the catalytic converter (13). The device (14) may include a profile comprising a plurality of recesses or cavities (figure 1) to facilitate increased turbulence of the gases to improve heat absorption, or a valve (24) which is operable between an open or closed or partially closed position, the valve being downstream from the catalytic converter and functioning to increase the resident time of the exhaust gases about the catalytic converter (13).

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